[illegible]

[illegible]

[illegible]

[illegible]

1. [illegible]——[illegible]

[illegible]——[illegible]

2. [illegible]

[illegible]

(2016 [illegible])5 [illegible] 23 [illegible] (103°W) [illegible] ( ) A

A [illegible] 24 [illegible] 2 [illegible] 52 [illegible]　B [illegible] 24 [illegible] 2 [illegible] 08 [illegible]

C [illegible] 23 [illegible] 3 [illegible] 08 [illegible]　D [illegible] 22 [illegible] 2 [illegible] 52 [illegible]

[illegible] 103°W [illegible] 12 [illegible] (120°E) [illegible] 223° [illegible] 14 [illegible] 52 [illegible] 5 [illegible] 23 [illegible] 12 [illegible] 14 [illegible] 52 [illegible] 24 [illegible] 2 [illegible] 52 [illegible]

(2016-1 [illegible]) [illegible] 4 [illegible] 50 [illegible] (30.3°N,122°E) [illegible] ( ) A

A [illegible] 4 [illegible] 58 [illegible]　B [illegible] 4 [illegible] 52 [illegible]　C [illegible] 4 [illegible] 48 [illegible]　D [illegible] 4 [illegible] 42 [illegible]

[illegible] 122°E [illegible] 8 [illegible] 4 [illegible] 50 [illegible] 4 [illegible] 58 [illegible]

[illegible]

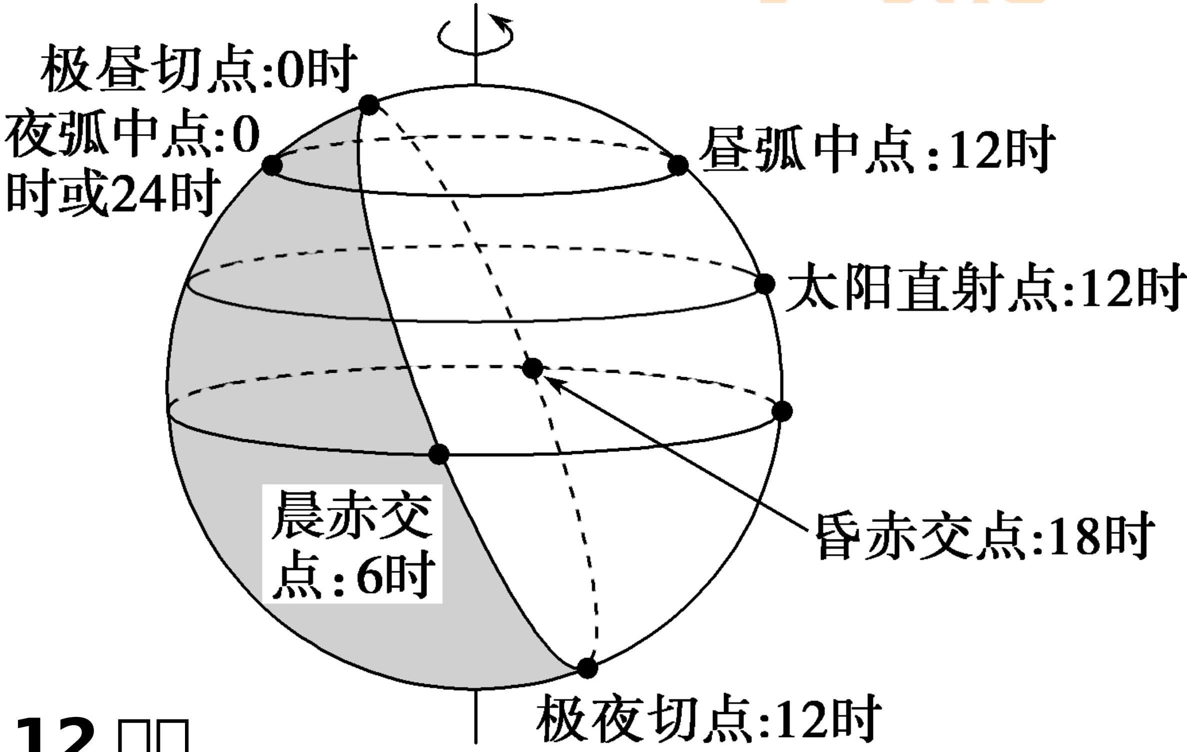
① [illegible] 12 [illegible]

② [illegible] 6 [illegible]

③ [illegible] 18 [illegible]

④ [illegible] 12 [illegible]

⑤ [illegible] 0 [illegible] ([illegible] 24 [illegible]) [illegible]



9 [illegible] 23 [illegible] 105°E [illegible]

[illegible] (　　　)　　　　　　　　　　**B**

A [illegible] 19 [illegible]　　B [illegible] 19 [illegible]　　C [illegible] 17 [illegible]　　D [illegible] 17 [illegible]

[illegible] 9 [illegible] 23 [illegible] 18 [illegible] 105°E [illegible] 18 [illegible] 19 [illegible]

[illegible]“[illegible]”[illegible] 12° [illegible] 3 [illegible] (108°E) [illegible] ________ [illegible]

13 [illegible] 36

[illegible] 12° [illegible] ([illegible] 12 [illegible]) [illegible] 12° [illegible] 15° [illegible] 12 [illegible] 48 [illegible] 108°E [illegible] 120°E [illegible] 48 [illegible] 13 [illegible] 36 [illegible]

[illegible] 2019 [illegible] 2018 [illegible] 16 [illegible] 4 [illegible]
[illegible]

11. [illegible] 1 [illegible] 11 [illegible] 11 [illegible] 15 [illegible]

A. 11 [illegible] 10 [illegible] 4 [illegible] B. 11 [illegible] 11 [illegible] 3 [illegible] C. 11 [illegible] 11 [illegible] 5 [illegible] D. 11 [illegible] 12 [illegible] 1 [illegible]

C

[illegible]“[illegible]”[illegible] 11 [illegible] 11 [illegible] 11 [illegible] 15 [illegible] 15 [illegible] -11 [illegible] =4 [illegible]“[illegible] 1 [illegible]”[illegible] 4 [illegible] 11 [illegible] 11 [illegible] 5 [illegible]

[illegible] 7 [illegible] 8 [illegible] 110 [illegible] 1986 [illegible] 1991 [illegible] 1992 [illegible]

[illegible] 2015 [illegible]

18 [illegible]

A [illegible] B [illegible] **A** C [illegible] D. [illegible]

19 [illegible] l [illegible] 20 [illegible]

A. 23°N, lOO°E　　B.23°N, 120°E

C. 24°N, lOO°E　　D. 24°N, 120°E

A

[illegible] 18. [illegible]

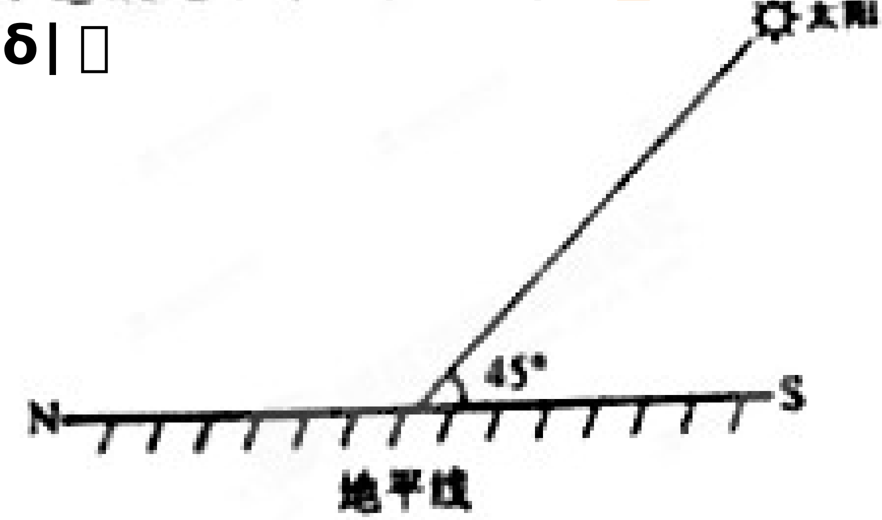
19. [illegible] 23°26′ [illegible] 23°26′ [illegible] 23°N [illegible] 24°N [illegible] 120°E [illegible] 13:20 [illegible] 12 [illegible] 100°E [illegible]

[illegible]2014[illegible]φ[illegible]H=|φ-δ|[illegible]
[illegible]δ[illegible]
[illegible]5[illegible]18[illegible]
[illegible]12[illegible]13[illegible]

12[illegible]　　A

A[illegible]30°E　　B[illegible]30°W

C[illegible]60°E　　D[illegible]60°W



[illegible]18[illegible]120°E[illegible]
[illegible]12[illegible]30°E[illegible]

□2018□□2□□□□□
□□□□3□□□□□□
□□□□□□□□□□□
□□□□□□2017□2□
7□□□□□□□□□□
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□□□□□□□□□□□
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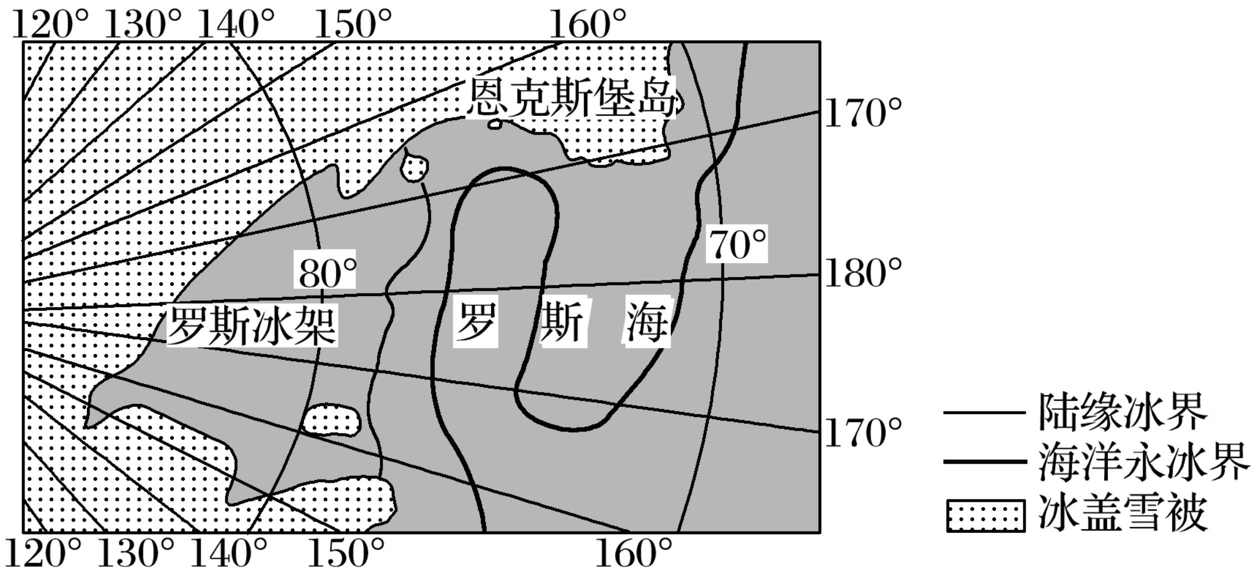
□□6□8□□

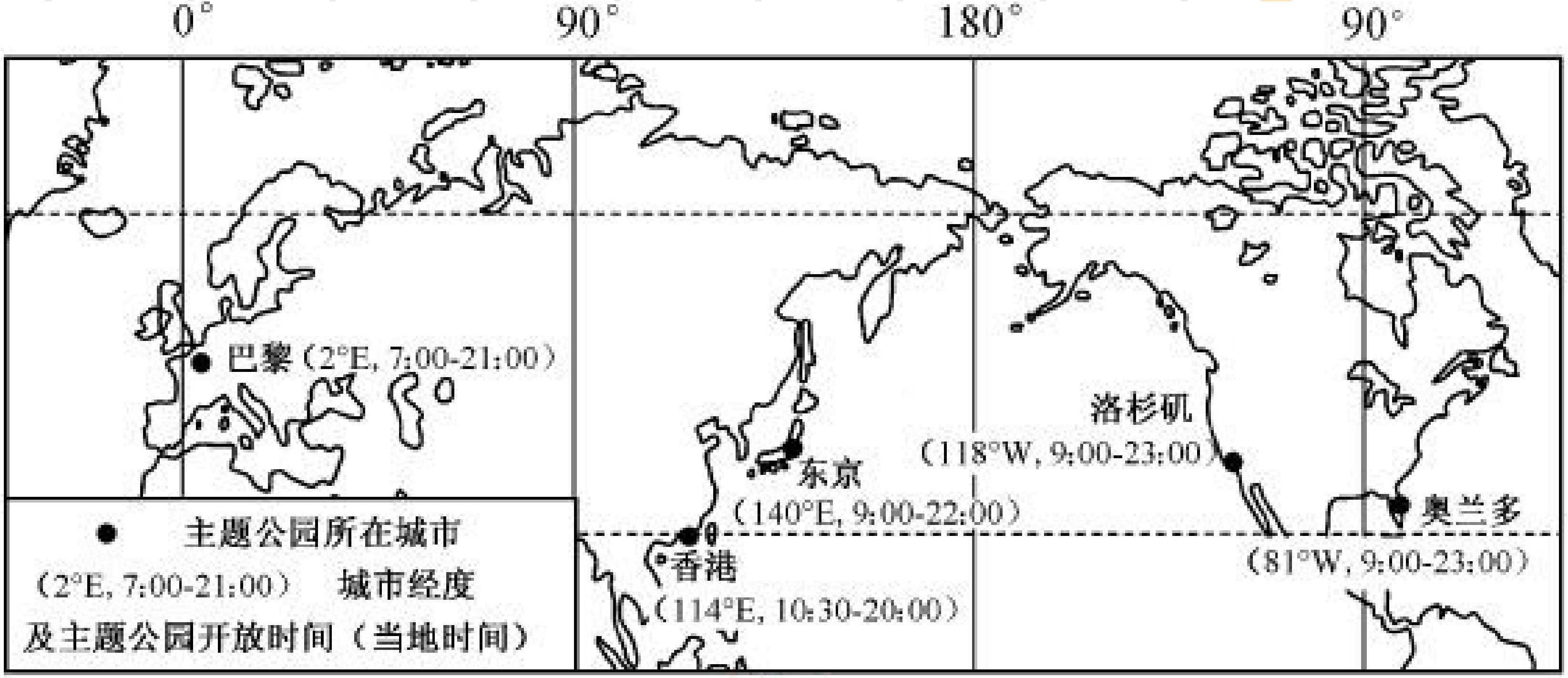


6□2□7□□□□□□□□□□□□□□□□□□

A□2□7□9□ B□2□7□15□ C□2□7□17□ D□2□8□7□

A

□□ □□□□□□□□□□□□165°E□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□3□□□□□□□□□□□□□□2□7□□□□□□□□□□□□2□7□9□□



□2016 □□□□□6 □□□□□□□□□□□□□□□□□□□□11-12 □□

11. □□□□□□□□□4 □□□□□□□□□□□□□□□ **B**

A. □□□□8 □ B. □□□□11 □ C. □□□□14 □ D. □□□□17 □

12. □□5 □□□□ **C**

A. □4 □□□□□□□□□□□□ B. □4 □□□□□□(□□)□□

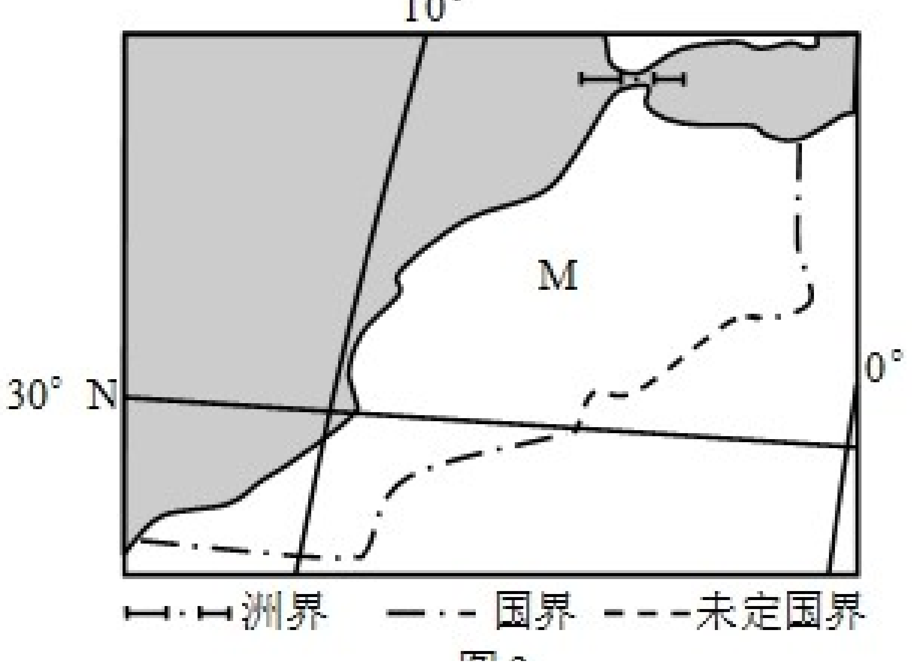
C. □□□□□□□□□□□□□□□□□□□D. □3 □□□□□□□□□

□□□□11 □□□□□11 □□□□□□□□□□10 □36 □□□□□□□□12 □20 □□□□□□□□□

19 □8 □□□□□□□□21 □36 □□□□□□□11 □□□□□□□□□□□□□□□□□□□□□

12.□□

[illegible]2015[illegible]2[illegible]1996[illegible]M[illegible]
[illegible]2010[illegible]
[illegible]20[illegible]
[illegible]M[illegible]
[illegible]M[illegible]
[illegible]2[illegible]M[illegible]6[illegible]8[illegible]



8[illegible]8[illegible]00-12[illegible]00[illegible]
14[illegible]00-18[illegible]00[illegible]M[illegible]
[illegible]
[illegible]

A[illegible]8[illegible]00—9[illegible]00　　B [illegible]11[illegible]00—12[illegible]00

C [illegible]14[illegible]00—15[illegible]00　　D[illegible]17[illegible]00—18[illegible]00

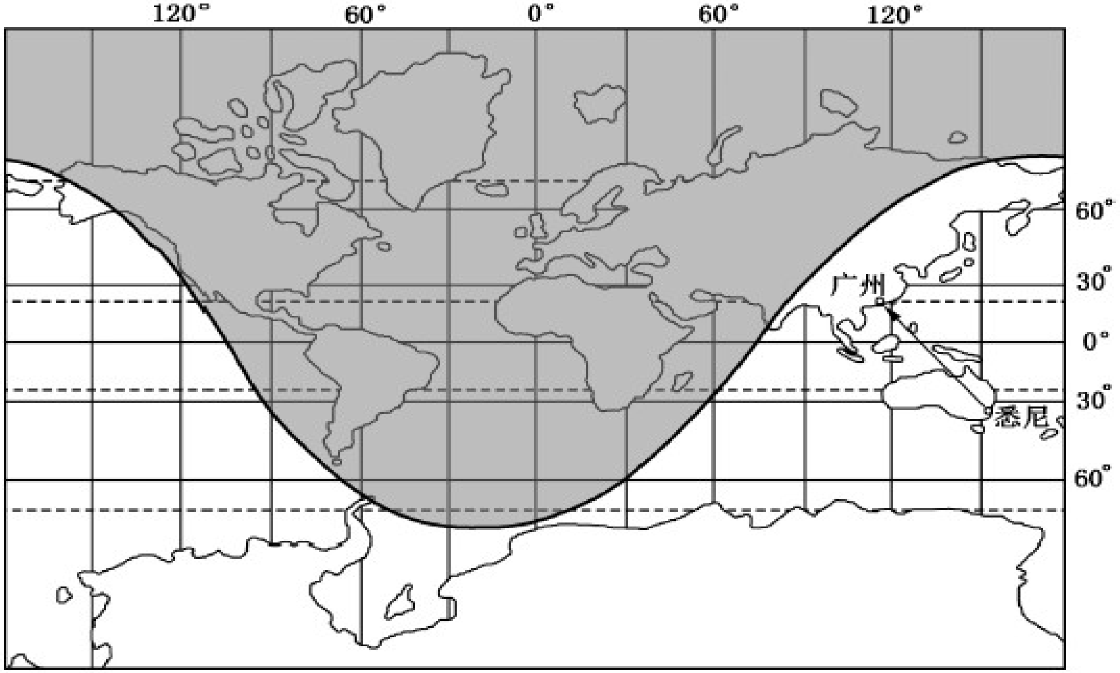
A

[illegible]8[illegible]
[illegible]

[illegible] 2017 [illegible]
[illegible] 9 [illegible]
[illegible] 2 [illegible]“[illegible]
[illegible]”[illegible] 3-4 [illegible]
3 [illegible]
[illegible]

A．12 [illegible]　B．15 [illegible]
C．18 [illegible]　D．21 [illegible]

C



[illegible]
[illegible]
[illegible] 75°E [illegible] 6 [illegible] 9 [illegible] 9 [illegible]
[illegible] 18 [illegible]

[illegible]

[illegible]	[illegible]	[illegible]
[illegible] ([illegible] 180° [illegible])	[illegible] ([illegible]) [illegible] [illegible] ([illegible]) [illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	① [illegible] ② [illegible] 180° [illegible]	

[illegible]

[illegible]

[illegible]

[illegible] 180 [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

国际日期变更线
150°
东经180°西经
150°
北冰洋
北极圈
亚洲
北美洲
不变
国际日期变更线
阿留申群岛
太
中途岛
北回归线
夏威夷群岛
马绍尔群岛
平
赤道
-1
+1
斐济群岛
萨摩亚群岛
南回归线
洋
大洋洲
150°
东经180°西经
150°

白令海峡
东经180 西经
北冰洋
亚洲
俄罗斯
白令海峡
北美洲
北极圈
美国
60
45
30
太平洋
国际日期变更线
(5月1日)
(5月2日)
北回归线
165

[illegible]“[illegible]”[illegible]

国际日期变更线
夏威夷
基里巴斯
萨摩亚
斐济
汤加
澳大利亚
新西兰

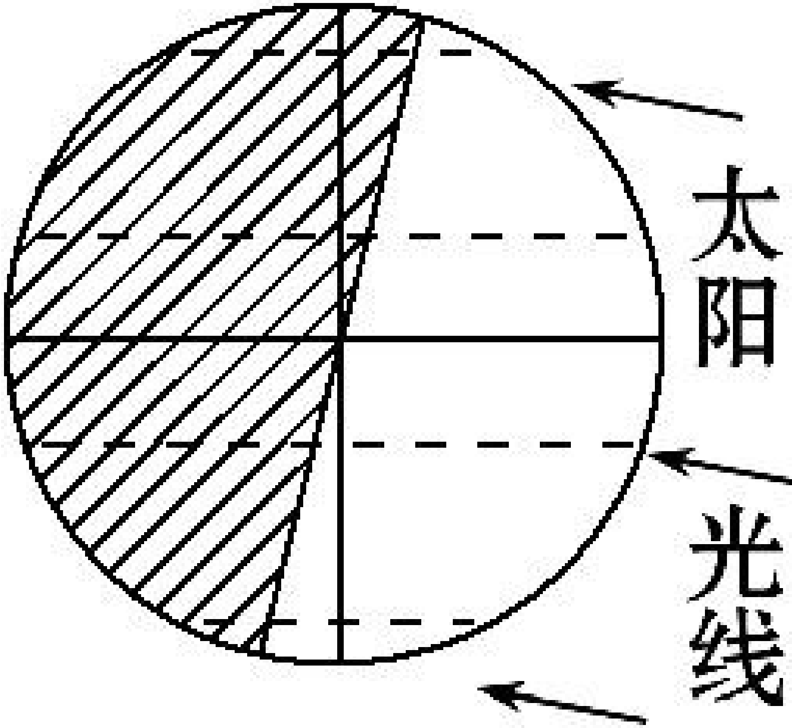
[illegible] 2017 [illegible] 700 [illegible] 170 [illegible] 12 [illegible] 14 [illegible]

12. [illegible]

A.21[illegible]8[illegible]N[illegible]175[illegible]12[illegible]E　　B. 42[illegible]10[illegible]N[illegible]170[illegible]22[illegible]W

C.21[illegible]8[illegible]S[illegible]175[illegible]12[illegible]W　　D. 42[illegible]10[illegible]S[illegible]170[illegible]22[illegible]E

C



[illegible] 2017 [illegible] 700 [illegible] 170 [illegible] 12 [illegible] 14 [illegible]

12. [illegible]

A.21[illegible]8[illegible]N[illegible]175[illegible]12[illegible]E

B. 42[illegible]10[illegible]N[illegible]170[illegible]22[illegible]W

C.21[illegible]8[illegible]S[illegible]175[illegible]12[illegible]W

D. 42[illegible]10[illegible]S[illegible]170[illegible]22[illegible]E

C

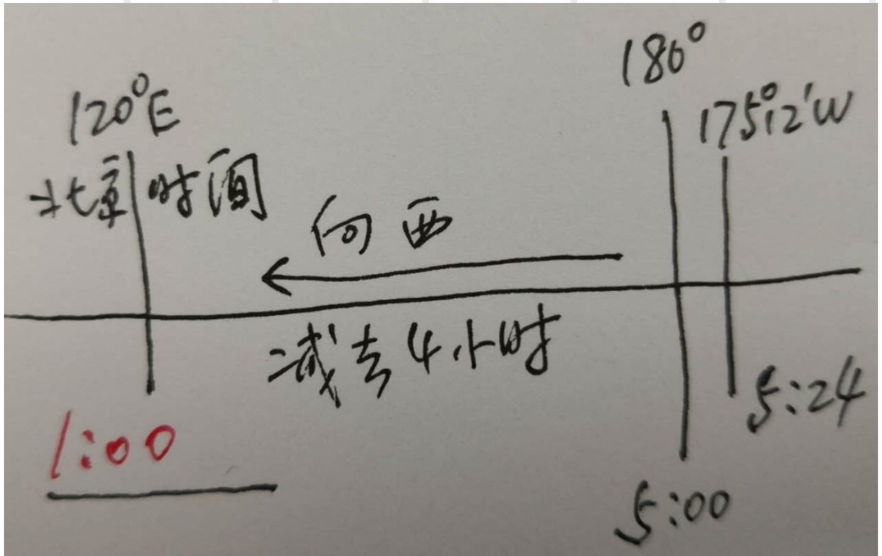
[illegible] 24°C [illegible] 60%-85% [illegible] 20 [illegible] 20°C [illegible] 21°8′S [illegible]“[illegible]”[illegible] 173 [illegible] 36 [illegible] 650 [illegible] 1770 [illegible] 747 [illegible] 25.9 [illegible] 175°12′ [illegible]

[illegible] 2017 [illegible] 700 [illegible] 170 [illegible]
[illegible]

13. [illegible]

A.1 [illegible] 00　　B.6 [illegible] 00　　C.11 [illegible] 00　　**A**　　D.20 [illegible] 00

[illegible] 20°N [illegible] 13 [illegible] 13 [illegible] 20°S [illegible] 13 [illegible] 13 [illegible] 20°S [illegible] 10 [illegible] 47 [illegible] 2 [illegible] 20°S [illegible] 5:24, [illegible] 12 [illegible] 180° [illegible] 5° [illegible] 20 [illegible] 180° [illegible] 5:00 [illegible] 180° [illegible] 120°E [illegible] 4 [illegible] 1:00 [illegible]



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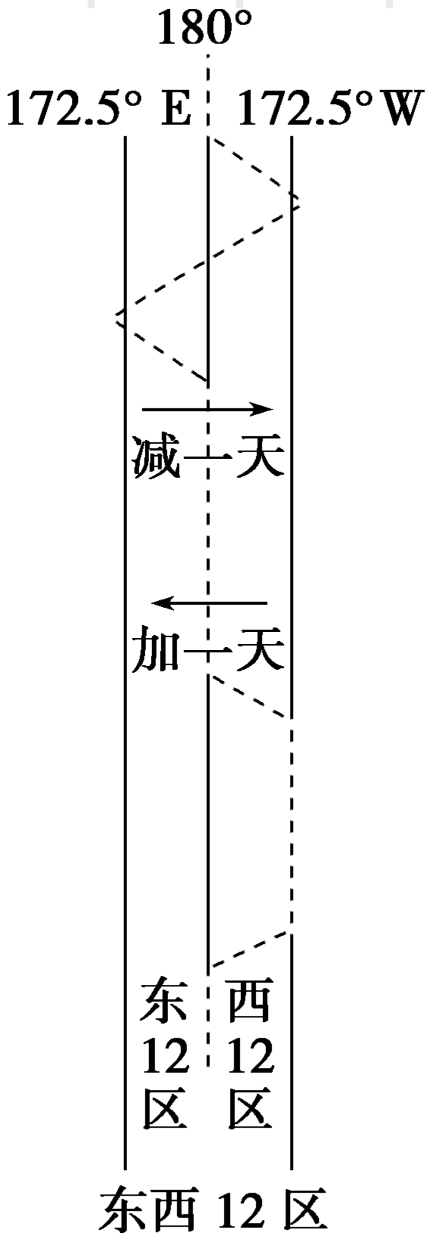
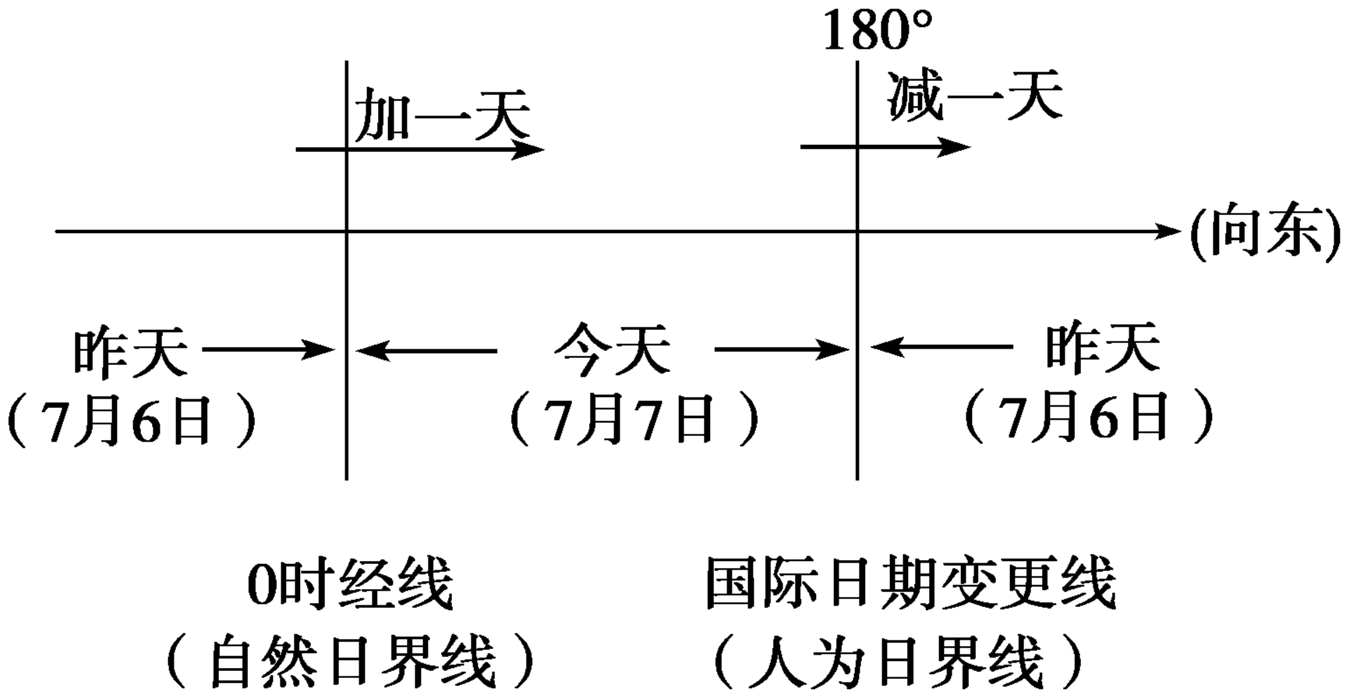
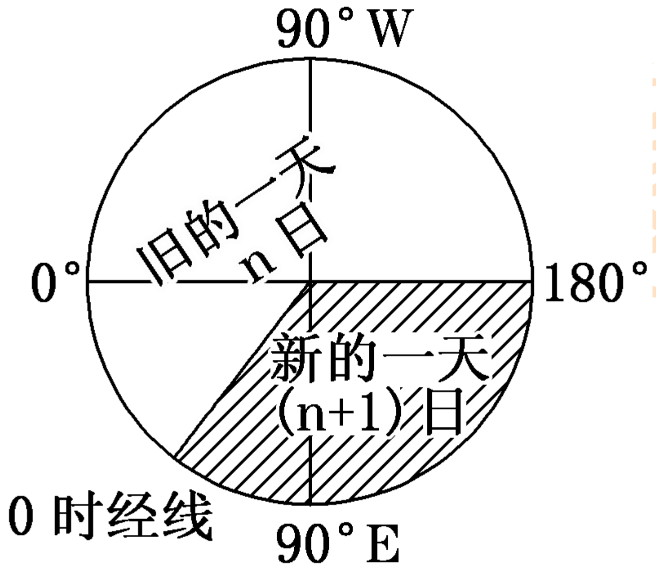


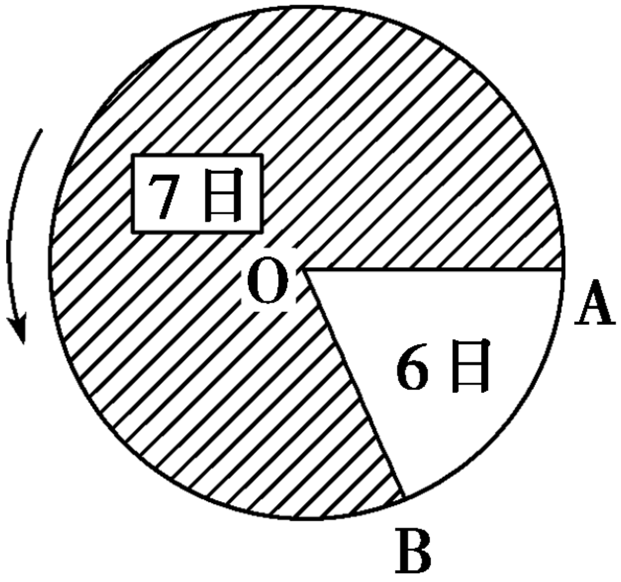
180°
172.5° E
172.5° W
减一天
加一天
东12区
西12区
东西 12 区



180°
加一天
减一天
(向东)
昨天（7月6日）
今天（7月7日）
昨天（7月6日）
0时经线（自然日界线）
国际日期变更线（人为日界线）

□□□□(n□1)□□□□□0□□□□□□□□180°□□□□□□□(n)□□□□□0□□□□□□□□180°□□□□□□□□





顺地球自转方向(即自西向东)

- 日期加一天经过的为 0 时经线，如 OA
- 日期减一天经过的为180°经线，如 OB

[illegible] 1 [illegible]

A [illegible] 8 [illegible] B [illegible] 9 [illegible] C [illegible] 15 [illegible] D [illegible] 16 [illegible]

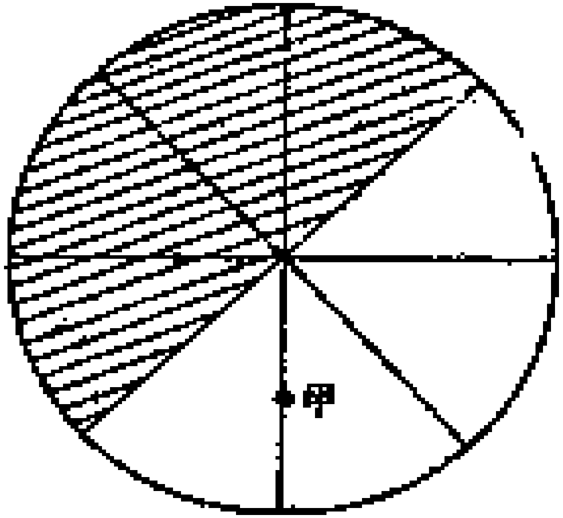
B

[illegible] 2 [illegible]

7 [illegible] 6 [illegible] 7 [illegible] 7 [illegible]

A [illegible] 15 [illegible] B [illegible] 9 [illegible] C [illegible] 3 [illegible] D [illegible] 12 [illegible]

C



[illegible]

[illegible] 180° [illegible]

[illegible]

[illegible]

180° [illegible] 24 [illegible]

[illegible] 8 [illegible] 00 [illegible] 180° [illegible] 12 [illegible] 00 [illegible] 1/2 [illegible]

[illegible] 12 [illegible] 00 [illegible] 180° [illegible] 16 [illegible] 00 [illegible] 2/3 [illegible]

[illegible] 20 [illegible] 00 [illegible] 180° [illegible] 24 [illegible] 00 [illegible]

[illegible] 2018 [illegible]

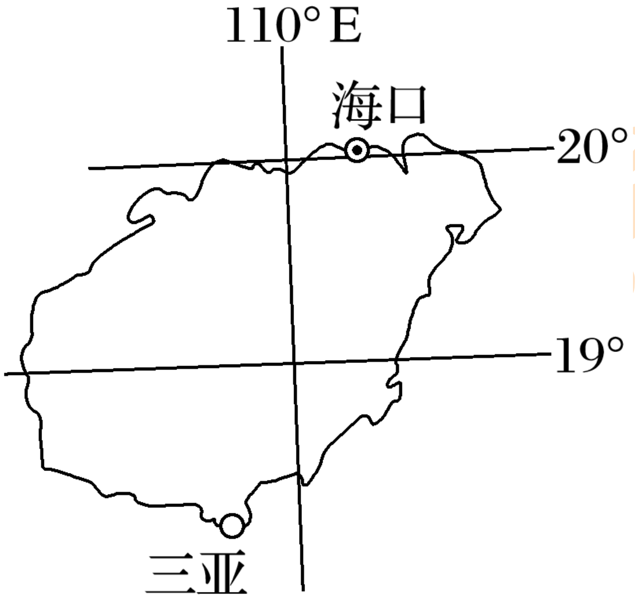
[illegible]

11. 1 [illegible] 1 [illegible]

[illegible]

A [illegible] 1/2　B. [illegible] 1/2 [illegible] 2/3　　D

C. [illegible] 2/3　D. [illegible] 2/3



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180° [illegible] 24 [illegible]

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3□2018□□□
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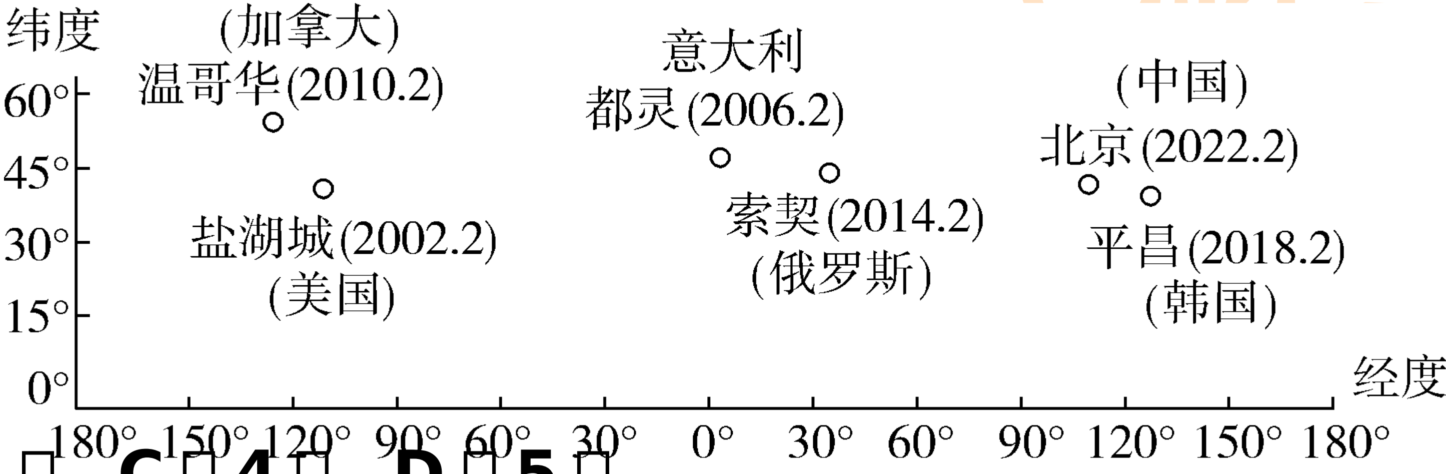


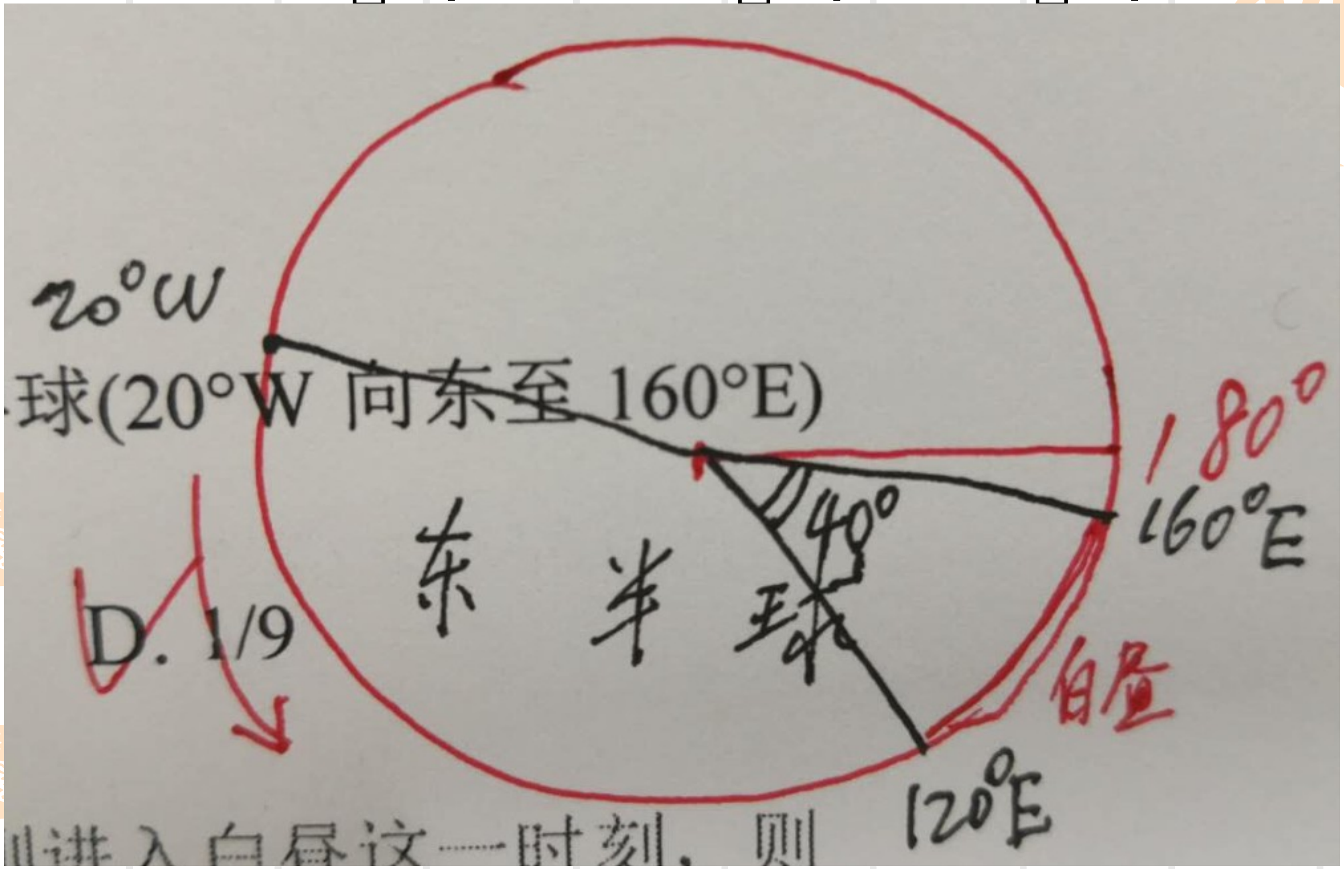
A□2□　B□3□　C□4□　D□5□

D

□□□□□□□□□2□9□19□□□□□□□□□□□2□9□0□□□□□□□□□□□
□□□□□□□2□9□□□□□□6□□□□□□□□□□

□□□□□□□□□□(30°N，120°E)□□□□□□□□□□(20°W□□□160°E)□□□□□□□□□□□(　　　)　　D

A．1/2　　　B．1/3　　　C．1/6　D．1/9



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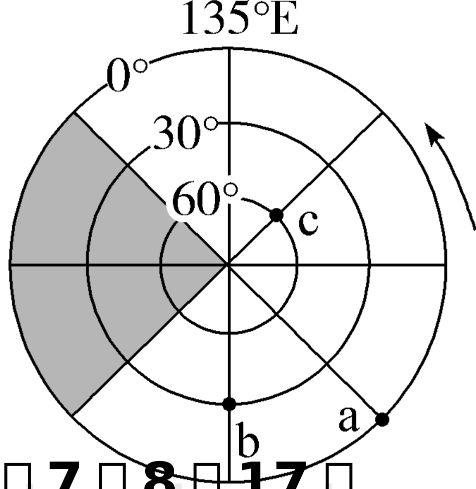
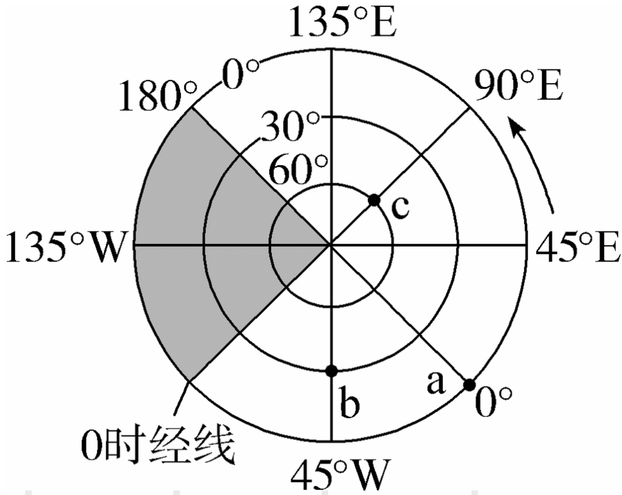
□□□□□□□□7□6□□□□□□□□7□
7□□□□□□□□□□□□□□□□□□
□□□□□□□□□6□8□□
6□□□□b□□□□□(　　)D
A□7□6□3□　　B□7□7□6□
C□7□6□6□　　D□7□7□3□
7□□□□□□□□□(　　) A
A□7□7□14□　B□7□8□14□　C□7□7□17□　D□7□8□17□



□□□6.□□□□□□□□□□□□□□□180°
□0□□□□□□□□□□□□□□180°□□
□□□□□□□□□□□□□□□□□□□□□
0□□□□□□□□□□□□□□□□□□□□
□□□□□□(□□)□0□□□□90°W□b□
□□□□□□□□7□7□□□□□□□□□□
45°□b□□□□45°W□□b□□□□7□7□3
□(□□□□□□□□15°□□□□1□□)□



7.□□□□□□0□□□□90°W□□□□□(120°E)□7□7□14□□

□2012□□□□□30□□□□□□2012□7□27□19□12□□□□□□□□□□□□□□□□□
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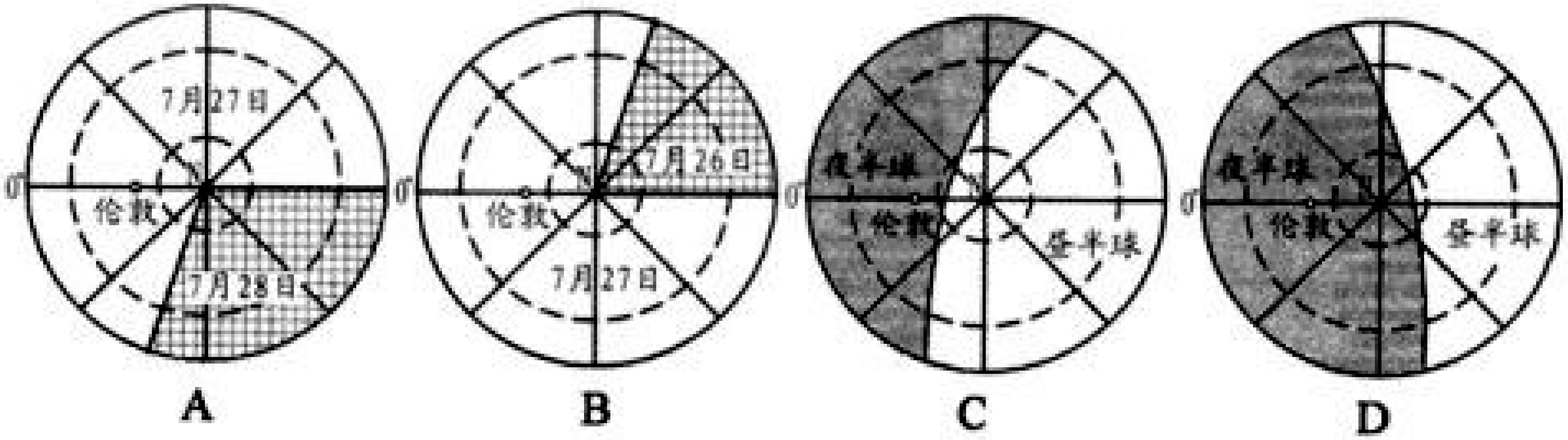
6□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4□□

A



[□□] A□B□□□□□□□□□□□□7□27□19□12□□□□□□□□□□□□□□□
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C□D□□□□□□□□7□27□□□□□□□□□□□□□□□C□□□□□□□□□□□□□□□□□
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7□28□□□□□□□□□□□□□□□□□□□□□□D□□□□C□□□□□1□□□□□□□□
□□

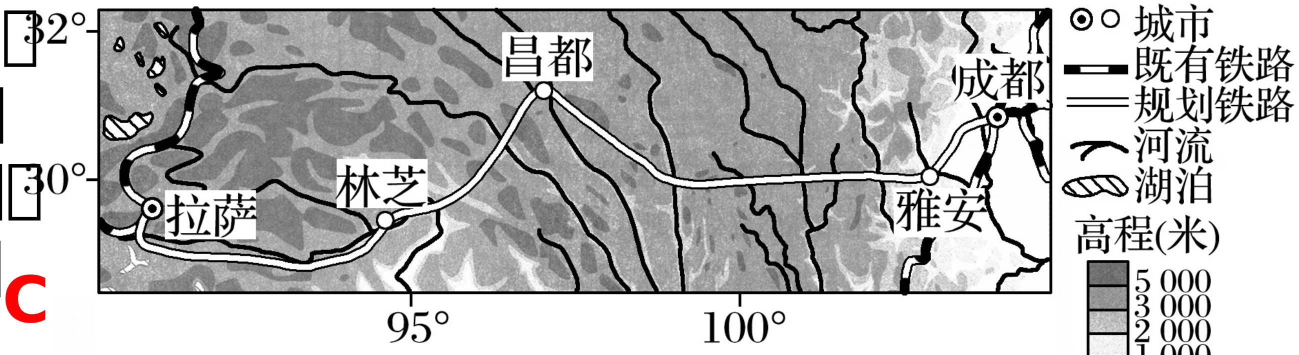
影响因素			
影响因素	纬度因素	一般太阳辐射强度从低纬向高纬递减	纬度越低，正午太阳高度越大，获得的太阳辐射越多
影响因素	昼长因素	一般昼长越长太阳辐射越多	白昼越长,日照时数越长
影响因素	地势因素	一般地势越高太阳辐射越强	地势越高，空气越稀薄，透明度越高，到达地面的太阳辐射越多
影响因素	天气因素	晴天，太阳辐射强	大气削弱作用弱，日照时数长
影响因素	大气清洁度	大气清洁度越高，太阳辐射越强	空气中的尘埃等越少，大气透明度越高，到达地面的太阳辐射越多

[illegible]

	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] ([illegible])
	[illegible]	[illegible]
	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]
	[illegible]	[illegible]

(2018 [illegible])2018 [illegible] 4 [illegible]

5 [illegible]



川藏铁路沿线区域简图

A [illegible]

B [illegible]

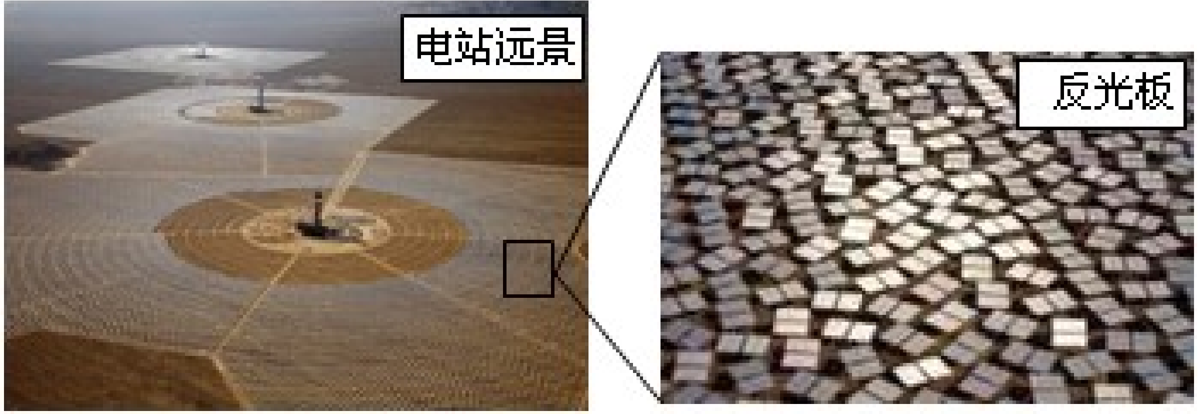
C [illegible]

D [illegible]

C

[illegible]

[illegible] 2014 [illegible] 1 [illegible] ([illegible] 1) [illegible] 1—3 [illegible]



1. [illegible]

A. [illegible] B. [illegible] C. [illegible] D. [illegible]

A

2. [illegible]

A. [illegible] B. [illegible]

C

C. [illegible] D. [illegible]

[illegible] 1. [illegible]

2. [illegible]

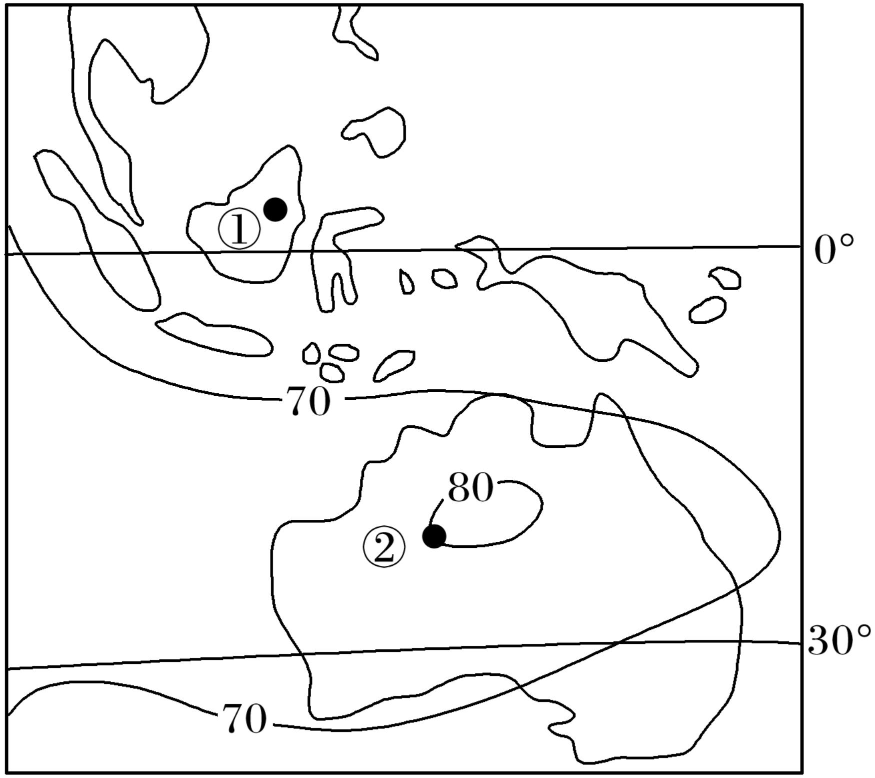
[illegible]“[illegible]([illegible]/[illegible]·[illegible])”[illegible]8[illegible]9[illegible]

8[illegible]①[illegible]([illegible]A)

A [illegible]　B [illegible]

C [illegible]　D [illegible]

[illegible]①[illegible]



9[illegible]②[illegible]①[illegible]([illegible]D)

A [illegible]　B [illegible]

C [illegible]　D [illegible]

[illegible]②[illegible]